

BACHELOR OF ARCHITECTURE (B.ARCH)

Term-End Examination

June, 2014

BARE-074 : SITE PLANNING (ELECTIVE 1)

Time : 3 hours

Maximum Marks : 70

- Note :** (i) *Answer four questions in all.*
(ii) *Question no. 1 is compulsory.*
(iii) *Attempt any three from the remaining questions.*
(iv) *Supplement your answers with sketches wherever necessary.*

- 1.** Discuss briefly any four of the following :
- (a) Importance of preserving natural features such as vegetation, water etc., within and around site during site planning. 7
 - (b) Site selection criteria for industrial development. 7
 - (c) Consideration for organization of vehicular and pedestrian circulation during site planning. 7
 - (d) Elaborate the design guidelines for parking lots in public premises. Give emphasis on motorized two wheelers and four wheelers. 7
 - (e) Discuss in detail the design and location criteria for site structures including steps and ramps etc. 7

2. Explain the site planning guidelines for a fully residential university campus by giving locations / zoning for various facilities and infrastructure. Assume half of the site is contoured / hilly and the other half is plain. 14
 3. Explain Ebenezer Howard's Garden City concept, elaborating briefly on the principles by citing an example of a modern Indian city. Critically evaluate the suitability of the concept in a composite climate zone of India. 14
 4. What are the essential elements of site planning? Discuss and elaborate any three of them in detail. 14
 5. Elaborate and discuss the hierarchy of various roads and street types (with typical cross sections) to be used in site planning. 14
-